

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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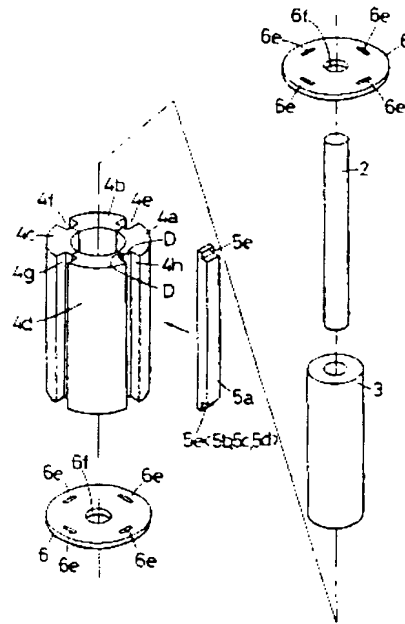
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TITLE : PERMANENT MAGNET ROTOR



ABSTRACT : PURPOSE: To improve the securing forces of segment magnets to a yoke by mechanically pressing to hold the magnets by a holding member coupled and held by a coupling member.

CONSTITUTION: A permanent magnet rotor 1 is composed of a rotor shaft 2, a yoke 3 of magnetic material, a plurality of segment magnets 4a to 4d, a plurality of holding members 5, 5,... and two coupling members 6, 6. The members 5, 5,... are made of nonmagnetic material such as brass, aluminum, their circumferential widths are equal to the circumferential widths of recesses 4e-4h, the radial thickness is equal to the radial depth of the recesses 4e-4h, and the axial length is formed in a rectangular rod state slightly longer than that of the segment magnet. Coupling holes 6e, 6e to be engaged with the protrusions 5e, 5e of the member are formed at the positions of equal distances from the center and at equal intervals circumferentially at the members 6, 6, and an insertion hole 6f for inserting a rotor shaft 2 is formed at the center. Thus, the securing strength of the segment magnets to the yoke can be improved.

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